

ISCE NEWSLETTER

INTERNATIONAL SOCIETY OF CHEMICAL ECOLOGY

Vol. 7, No. 3, October, 1990

ISCE/PSNA Quebec Meeting

One hundred and sixty nine registered participants from 15 different countries attended the first joint meeting of the International Society of Chemical Ecology and the Phytochemical Society of North America, held 11-15 August, 1990 at Laval University in Quebec City, Canada. There were 66 ISCE, 52 PSNA, 11 ISCE/PSNA and 39 non-members attending. Jeremy McNeil and Murray Isman

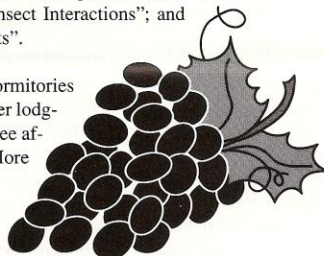
hosted the meeting. McNeil and Clive Jones organized the ISCE symposium entitled "The Ecological Milieu of Chemical Defense and Communication." The PSNA symposium entitled "Modern Phytochemical Methods" was organized by Nikolaus Fischer. In addition to the 16 symposia talks, a total of 98 contributed papers were presented, 57 as oral presentations and 41 as posters.

As is usual at our meetings, science was not confined to the formal sessions. A lot of informal intellectual interaction took place between people who normally do not talk to each other. The beauty and "joie de vivre" of Quebec City contributed to the successful meeting. Many of us got to practice our French with the friendly and patient people. A gourmet banquet of French cuisine held at the famous Chateau Frontenac was the social highlight of the meeting.

DIJON 1991

Plans for the 1991 ISCE annual meeting in Dijon, France are being finalized by Remy Brossut, the local organizer, and his symposium committee. The meeting will run from Wednesday, July 3 to Sunday, July 7 with registration on Tuesday, July 2. The symposia topics include: "Semi-chemicals in Vertebrates" (in association with perfumers working on mammal scent glands and perfumes); "Human Pheromones"; "Plant-Insect Interactions"; and "Evolutionary Perspectives on Semiochemicals in Insects".

Accommodations will be available in student dormitories and an estimated blanket charge of around \$300 will cover lodging, food, the banquet and registration. There will be a free afternoon during the meeting and a visit to a vineyard. More details will follow in the winter newsletter.



From the Editor

As your new secretary I will try to maintain the high standards set by Nancy Targett. Having now been through the publication process once, it should be easier to get the January newsletter out on time. The Newsletter needs member input. Help make it interesting and relevant. Please send me your announcements and suggestions for improvement during the next months.

John Romeo

IN THIS ISSUE

- 2 BUSINESS MEETING MINUTES
- 3 MEDAL AWARDS
- 3 STUDENT TRAVEL AWARDS
- 3 JOURNAL OF CHEMICAL ECOLOGY
- 3 CHEMOECOLOGY JOURNAL
- 4 FUNDRAISING 90
- 4 ANNOUNCEMENTS
- 5 FINANCIAL REPORT
- 6 1990 OFFICERS & COUNCILORS

Editor: John T. Romeo
University of South Florida
Department of Biology
Tampa, FL 33620 U.S.A.

ISCE Newsletter is published tri-annually, in October, January and May. It is financed through member contributions. None of the material contained herein may be reprinted without the proper written acknowledgement of the editor. Address all correspondence and newsletter submissions to the editor. Deadline for the next issue is December 15, 1990.

ISCE BUSINESS MEETING MINUTES

Submitted by Nancy M. Targett

7TH ANNUAL MEETING, QUEBEC CITY, CANADA AUGUST 1990

Executive: Wittko Francke, President; David Seigler, Vice-President; Nancy Targett, Secretary; James Nation, Treasurer; R. Milt Silverstein/John Simeone, Editorial Representatives, Journal of Chemical Ecology.

Past President Lincoln Brower presided in the absence of President Wittko Francke who could not attend due to a family emergency. Lincoln opened the meeting by reading a telegram that was sent to Wittko on behalf of the Society. It stated: "We are having a very successful meeting, however, we miss your leadership and presence. We wish to express our deepest regret and sympathy at the accident your mother has suffered".

The Society thanked Laval University, our meeting hosts Jeremy McNeil and Murray Isman, ISCE Symposia Coordinators Jeremy McNeil and Clive Jones and the local arrangements staff Marthe Lemieux, Lucie Royer, Jacques Gobeil, Alain Labreque, and Eric Fomier for the excellent job they have done. The meeting in Quebec is our 7th and is the first time our Society has met jointly with another Society (PSNA). There are 169 registered participants from 15 countries.

Jim Nation reported on the fiscal status of the Society (Insert) and offered a breakdown of our membership (See Treasurer's report). The option of a credit card method of payment was suggested to facilitate payments. Jim noted that such a method would cost the Society a yearly fee. It was suggested that a surcharge applied to those members who paid by credit card would reduce the yearly cost to the Society. This method has been successfully employed by the PSNA. The financial records of the Society were audited by Lincoln Brower and Jim Tumlinson and pronounced in good order.

The fund raising committee has again been successful on behalf of the Society. The Society is deeply grateful to the efforts of that committee which consists of: Jerrold Meinwald, Chair; Gunnar Bergstrom, Remy Brossut, Wittko Francke, David Jones, Koki Nakanishi, Yoko Naya, Wendell Roelofs, and Dietrich Schneider. The Society's fiscal success will be passed on in the form of an increase in \$ amounts available for Student Travel Awards offered by the Society. This represents the second straight year that the funds allotted to these awards have been increased.

The Silverstein/Simeone publication award was established by the Society to honor the founding editors of the Journal of Chemical Ecology, R. Milt Silverstein and John Simeone. It will be awarded to the outstanding paper published in the Journal in 1991. Members are asked to nominate papers they feel are outstanding contributions in that year to the Journal. John Simeone noted that the Journal now has 3600 pages/yr with an average manuscript publishing time of 7-8 months. He thanked the members of the editorial board and manuscript referees for their input and hard work. Currently the editors are considering publication of reviews on a space available basis. Anyone interested in submitting a review should first contact the editors. A new journal in the area of chemical ecology is Chemocology. This is edited by Stephen Malcolm and Michael Boppre.

A new committee structure has been adopted to better plan topics for our annual meetings. The goal of the first, a Symposium Planning Committee, is to generate and maintain a list of relevant, exciting areas for symposia. This committee will provide historical perspective regarding topical coverage in previous Society symposia and serve as a source of ideas for upcoming symposia. The second, an annual Symposium Organizing Committee, will consist of the meeting host and others appointed by the EC. It will choose among the ideas presented by the Planning Committee and tailor symposia for specific meetings. An ad hoc organization committee was formed in Quebec to assist Remy Brossut with the Dijon meeting. Members include: Claude Everaerts, Peter Waterman, Michael Boppre, Amos Smith III, Milt Silverstein and Shozo Takahasi. The next four meetings are as follows:

1991 Dijon, France	2-7 July Remy Brossut
1992 Kyoto, Japan	6-9 July Shozo Takahashi
1993 Tampa, Florida USA	1-4 August John Romeo
1994 Syracuse, NY USA	TBA R.M. Silverstein John Simeone

Martine Rowell-Rahier has accepted an appointment as Membership Secretary in the Society. Her role will be to assist the Secretary and Treasurer in maintaining an up-to-date membership list for the Society.

The ISCE is joining AIBS (American Institute of Biological Science) to increase its influence in areas of scientific policy.

Nancy Targett expressed her thanks to all members with whom she has worked and all of those who have contributed to the Newsletter during her term of office. Their contributions helped to make the Newsletter a more effective vehicle for communication among Society members. She asked members to continue to send information to the Secretary and Newsletter Editor John Romeo. She also noted that member input would be increasingly solicited during the upcoming year for nomination for the Society medal, the publication award, and Society officers. Members will also be asked to help ISCE raise its profile by providing the names and address of other Society newsletters in which we might announce our annual meetings.

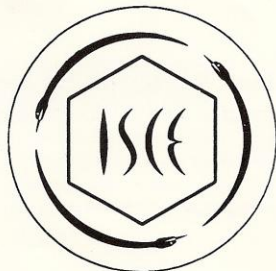
Lincoln Brower introduced the new officers: David Seigler, President; Jacques Pasteels, Vice-President; and John Romeo, Secretary. Jim Nation's term continues as Treasurer. He then thanked outgoing president Wittko Francke and outgoing secretary Nancy Targett for their service and dedication to the Society. outgoing councilors Remy Brossut, Keith Brown, Jean Langenheim, Jeremy McNeil, Arnon Shani, and Brian Jackson were also recognized and thanked for their service.

ISCE Medals Honor Roelofs and Schneider

In 1990 the Society was pleased to honor two distinguished scientists for their work by presenting each with the ISCE Silver Medal. The two are Wendell L. Roelofs and Dietrich Schneider.

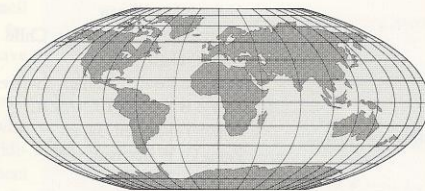
Wendell L. Roelofs is Liberty Hyde Bailey Professor of Insect Biochemistry at Cornell University. He was recognized for his ground-breaking investigations on the chemical structure, biosynthesis and ecological implications of insect pheromones. Dr. Roelofs has established an international reputation through his publications (250) and lectures on many different aspects of pheromone biology. The outstanding quality of his work has resulted in many previous honors including the Wolf Prize (Agriculture) and the National Medal of Science. His ever-evident enthusiasm and dedication to science makes his laboratory a stimulating environment, not only for his own students and post-docs, but also for researchers from around the world.

Before he retired, Dietrich Schneider was Director of the famous Max-Planck Institut für Verhaltensphysiologie at Seewiesen/Munich. He was honored for his pioneering research in insect electrophysiology and his innovative ideas in insect/plant relationships. Educated as a neurophysiologist, Dr. Schneider concentrated early in his career on the function of insect odor receptors. Years before the chemical structure of the first insect sex pheromone was known, he developed an electrophysiological bioassay, the electroantennogram-technique (EAG), which now forms the basis for the identification of behavior mediating compounds in insects. His research on insect/plant relationships with special emphasis on danaid and arctiid butterflies has influenced nearly everyone working in chemoecology. As an inspiring mediator between the frontiers of science and his students he imparts not only knowledge but also an intimate love of nature to all who are close to him.



Student Travel Awards

A record thirty four students attended the 7th annual meeting this year. The quality of the papers was excellent. ISCE was able to make travel awards to help defray travel costs for four students. The recipients of these grants, and titles of their presentations were: Juan Jimenez-Osornio (University of California Riverside, USA) "Allelopathic Activity of *Chenopodium Ambrosioides* Essential Oil"; Luc Legal (BGE, CNRS, Gif sur Yvette, France) "Toxicity of *Morinda Citrifolia* on *D. Melanogaster* and Related Species"; Stefan Schulz (Universtat Hamburg, FRG) "Volatile Compounds From Male Butterflies"; and Tovit Simon (Tel-Aviv University, Israel) "Trail-Following Responses of *Tapinoma Simrothi* (Formicidae: Dolichoderinae) To Pygidial Gland Extracts". The students were recognized and applauded by the members at the banquet in Quebec City.



The Society again will make competitive travel awards for the 1991 meeting in Dijon. Funding for this has been increased. Details concerning applications will be printed in the January newsletter.

Journal of Chemical Ecology

The Journal of Chemical Ecology continues to be the official organ of the Society for publication. The editors are R. Milt Silverstein and John Simeone at S.U.N.Y. College of Environmental Science and Forestry at Syracuse, NY. The journal has experienced a constant growth in page number over the past 15 years and is now up to about 3600 pages a year. The average publication time is 7-8 months. In addition to papers on all aspects of chemical ecology, the editors are now considering short reviews for publication.

Plenum has raised the journal price for ISCE members to \$75 for delivery in the US and \$90 for foreign delivery. This is a special discounted price. Non-ISCE members pay \$115/135. Please note the new rates, if you order your subscription through the treasurer.

The Society has instituted the Silverstein/Simeone award for an outstanding paper in a given year published in the Journal. The intent of the award is to honor the founding editors of the Journal and to encourage scientists to submit their most interesting work to the Journal. Nominations for the 1991 award will be solicited later from members via the newsletter and from manuscript referees.

Chemoecology Launched in Germany

A new multidisciplinary journal focussing on the role of naturally occurring chemicals as an interface among chemistry, behavior, physiology, ecology and evolution began publication in March. The journal's goals are to provide an international forum for specialized researchers as well to overview important questions and concepts in chemical ecology for a broader scientific readership. The journal will publish research papers, short communications, reviews, papers introducing or defining concepts, news, book reviews and announcements.

The Editor-in-Chief of *Chemoecology* is Prof. Dr. Michael Boppre of the Forstzoologisches Institut der Universität Freiburg in the Federal Republic of Germany. He solicits manuscripts for inclusion in the new journal, and promises rapidly refereed and published papers. Members of ISCE are offered special personal subscription rates. Professor Boppre says the intent of the new journal is not to compete directly with the Journal of Chemical Ecology for manuscripts, but to attract those that might be published elsewhere.

Fund Raising 1990

The ISCE is indebted to the following corporations and organizations for their support of our activities.

Aerokure International Inc.	Le Groupe Bio-Controle
AGRISENSE	Maheu et Maheu
Blackwell Scientific Publications Ltd.	Munksgaard International Publishers Ltd.
E.I. Dupont de Nemours & Co.	Natural Science & Engineering Research Council of Canada
Fonds pour la Formation de Chercheurs et l'aide a la Recherche, Canada	Shin-Etsu Chemical Co. Ltd.
I.C.I. Pharmaceutical Group	Sunbor
Insecticides Puroguard Ltee.	Syntex
Kemsan Inc.	University of Ottawa
Laval University	



ANNOUNCEMENTS

Annual meetings of ISCE are scheduled through 1994. The Executive Committee invites solicitations from members for hosting the 1995 meeting. Local organizers will work with a Symposium organizing Committee in planning the scientific program. Send a brief proposal to ISCE President David Seigler.

ISCE Visibility needs improvement. If you have a suggestion as to where to publicize our society and in particular where to announce meeting dates, send this information to the Secretary.

Nominations for election of Vice President of ISCE should be sent to the Past-President, Wittko Francke who is chairman of the nominating committee. Nominations for ISCE Silver Medal awards should be sent to Vice President Jacques Pasteels, who is chairman of the awards committee.

ISCE Committees are being reformulated. A complete list will be published in the January newsletter.

FINANCIAL REPORT

(Submitted by Jim Nation)

After a slow start-up and a couple of lean years, ISCE now has a firm financial position (See financial statement). Much of the credit goes to the Fund Raising Committee and to those organizations and agencies which have provided grant funds to support our annual meetings. The current dues structure enables us to publish three newsletters per year and to support our minimal operating expenses. Annual meetings are our biggest costs because we have adopted the policy of providing support for invited speakers and symposium arrangers. Donated funds make this possible. Several organizations have provided money for 3 years in succession, and we are most appreciative of this continuing support.

Traditionally we have made \$2000 per year available to support student travel costs to meetings. Awardees are selected in a competitive process by a committee each year. The Executive Committee and Council voted to make up to \$2800 available for student travel in 1991. We currently have about 40 student members.

We have 86 Life Members who have paid a one-time membership fee. Additionally, there are some 300 regular members who have paid 1990 dues. One of our problems is a volatile membership. Many "forget" to pay their dues. We gained many new members in 1990, but more than 60 regular members from 1989 have so far failed to renew memberships in 1990. We will continue to send the newsletter for an extra year to delinquent members in hopes that they will renew. Some of you will receive a special reminder from the secretary in this newsletter.

A future goal is to make society funds available to scientists in developing countries for travel to our meetings. The feasibility of this depends upon increasing our membership and the continuance of strong support from granting agencies.

Dec. 31, 1989

INTERNATIONAL SOCIETY OF CHEMICAL ECOLOGY, INC. 1989 FINANCIAL REPORT TO MEMBERSHIP

JAMES L. NATION, TREASURER

INCOME

Registration fees, Goteborg	\$68,228.77
Grants from supporting agencies	58,599.69
Membership dues	10,679.80
Member subscriptions -J. Chem. Ecol.	7,955.00
Interest on bank deposits	6,461.15
Return of unused funds -GA and Hull meetings	2,165.49

TOTAL INCOME \$154,089.90

EXPENSES

Travel grants - Goteborg meeting	\$32,287.74
Office supplies	323.33
Telephone	15.84
Postage	1,493.27
Newsletter printing	2,017.33
Directory revision & printing	2,932.80
Goteborg meeting costs	82,763.38
Filing Fee (State of Kentucky)	4.00
Member subscriptions to J. Chem. Ecol.	7,955.00
Refund of member overpayments	100.00
Society medal (Design/striking/production)	1,200.00
Bank charges	25.00

TOTAL EXPENSES \$131,117.69

Assets on January 1, 1989	\$29,242.43
Net gain in 1989 (Income - Expenses)	22,972.21
Assets on 31 December 1989	\$52,214.64

All of the assets of the Society are in the form of cash or bank deposits.
They are allocated as follows:

Life Memberships - Interest earning deposits	\$22,472.01
Grant funds - Interest bearing accounts	12,247.96
Cash from dues in checking account	6,968.21
Goteborg meeting surplus (APPROX.)	10,526.46
(Stated amount will vary depending on exchange rate when transferred to US bank)	

TOTAL ASSETS \$52,214.64

ISCE Officers ISCE Executive Committee

David Seigler, President
University of Illinois
Department of Plant Biology
289 Morrill Hall
Urbana, IL 61801, U.S.A.

Jacques Pasteels, Vice President
Universite Libre de Bruxelles
Laboratoire de Biologie Animal &
Cellulaire
Avenue F.D. Roosevelt 50
B-1050 Bruxelles, Belgium

John Romeo, Secretary
University of South Florida
Department of Biology
Tampa, FL 33620, U.S.A.

James Nation, Treasurer
University of Florida
Department of Entomology & Nematology
202 Newell Hall
Gainesville, FL 32611, U.S.A.

Wittko Francke, Past-President
Universitat Hamburg
Institut fur Organische Chemie
Marin-Luther-King-Platz 6
D-200 Hamburg 13, Germany

R. Milt Silverstein, Editorial Rep.
S.U.N.Y., College of Environmental
Science & Forestry
Syracuse, NY 13210, U.S.A.

ISCE Councilors

May R. Berenbaum, U.S.A.
Michael Boppre, Germany
Pat. N. Confalone, U.S.A.
Desire A. Daloze, Belgium
Wittko Francke, Germany
Juraj Harmatha, Czechoslovakia
David A. Jones, U.S.A.
Jerrold Meinwald, U.S.A.

Yoko Naya, Japan
Hermann, M. Niemeyer, Chile
John Pickett, U.K.
Martine Rowell-Rahier, Switzerland
Amos B. Smith, III, U.S.A.
Shozi Takahashi, Japan
Peter G. Waterman, U.K.

John T. Romeo, Editor
ISCE Newsletter
University of South Florida
Department of Biology
Tampa, FL 33620, U.S.A.

